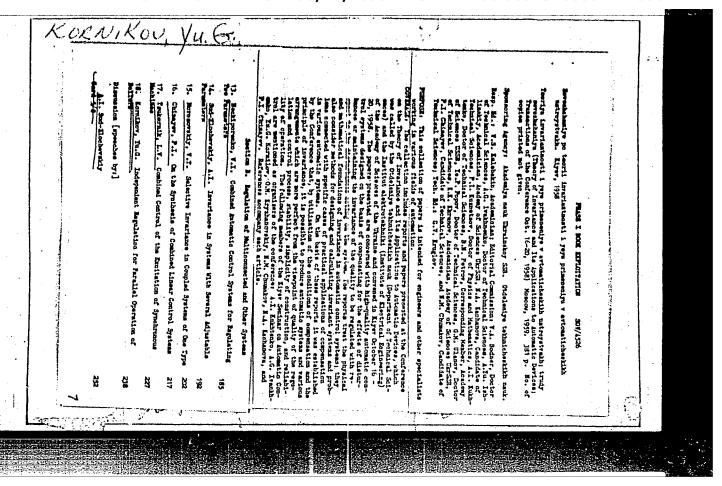
Jarosite from the Kola Peninsula. Mat.po min.Kol'.polucet.
1:121-126 '59. (MIRA 15:2)

(Kola Peninsula--Jarosite')

ROSTOVTSEV, N.; DOERYNIN, P.; TIKHOMIROV, V.; LOGACHEV, A.; SHAKUN, V.; GRUDEV, D.; KUDRYAVTSEV, P.; MALEYEV, M.; SOKOV, N.; KORNIKOV, V.; TOLOKONNIKOV, A.; PUSTOVALOV, A.; RED'KIN, A.; BLOMKVIST, M.; PETROV, N.; SHUBSKIY, I.; SEMENOV, S.; POPOV, G.; BRODOV, K.; KORBNEY, P. Professor M.B. IAkovlev; obituary. Zhivotnovodstvo 19 no.12:90 D 157. (MIRA 10:12) (IAkovlev, Mitrofan Nikolaevich, 1878-1957)

Development of automation and telemechanics in the gas industry.
Avtomatyka no.3:21-31 '57. (MIRA 10:10)

1. Institut vikoristannya gasu Akademii nsuk URSR.
(Gas industries) (Automatic control)



POKROVSKIY, V.M.; DIBLESKIY, V.G.; K(REHILATEV, A.E.

Effective use of intrafarm pipelines for subsequent pumping of different petroleum products. Trudy VBII MP no.5:137-147 '56.

(NIRA 9:8)

(Petroleum--Pipelines)

KORNILAYEV, A.A.; ZASIAVSKII, Yu.S.; YARGIN, A.A.; KORNILAYEV, A.N.; IAPIN, AKIROMENKOV, A.A.; ZASIAVSKII, Yu.S.; YARGIN, A.A.; KORNILAYEV, A.N.; IAPIN, V.P.

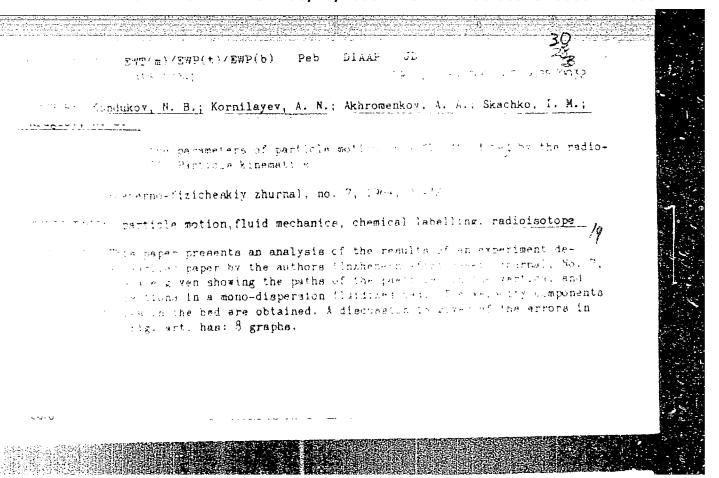
Controlling consecutive pusping of petroleum and petroleum products through pipelines by use of gamma-densitometer. Neft. khos. 35 no.12: (MIRA 11:2) 60-61 B '57. (Petroleum-Transportation) (Gamma rays--Industrial application)

KONDUKOV, N.B.; KORNILAYEV, A.N.; SKACHKO, I.M.; AKHROMENKOV, A.A.; KRUGLOV, A.S.

Studying the parameters of the motion of particles in a pseudo-fluidized bed by the radioisotope method. Inzh.-fiz. zhur. 6 no.7: 13-18 Jl '63. (MIRA 16:9)

1. Institut khimicheskogo mashinostroyeniya, Moskva i Institut neftyanoy promyshlennosti, Moskva.

(Fluidization) (Radioactive tracers)



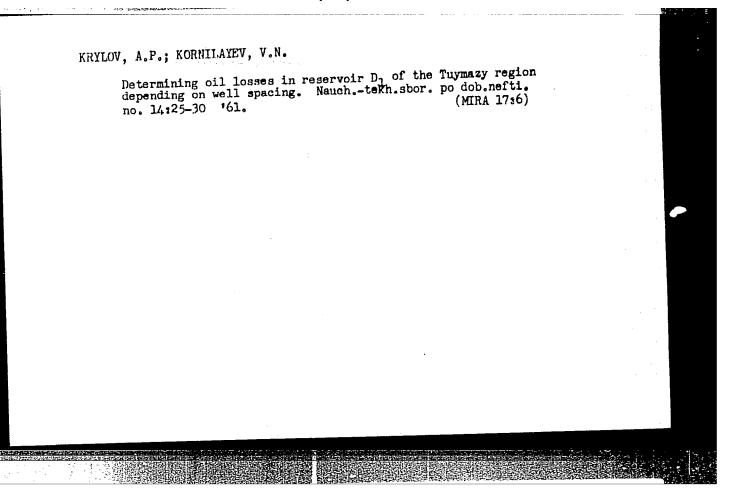
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KOFNILAYEV, G. P.

Kornilayev, G. P.

"The Tactics of Surgical Treatment of Inguinal and Pelvic Hernias Based on Clinical Data." Bashkir State Medical Inst imeni 15th Anniversary VLKSM. Ufa, 1955. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955



BRYKINA, M.M.; GATTENBENGER, Yu.P.; KORNILAYEV, V.N.; MIKHAYLOVSKIY, N.K.; POLIKARPOVA, R.V.; RYBIN, F.S.

Improving methods for the field and geological study of oil reservoir rocks in order to monitor and control development. Nauch.-tekh. sbor. po dob. nefti no.22:76-79 164. (MIRA 17:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

BURDAKOVA, Ye.A.: VEDERNIKOVA, N.A.; KORNILAYEVA, N.P.

Antidepressive action of transamine; preliminary report. Zhur. nevr. i psikh. 62 no.12:1813-1814-62 (MIRA 16:11)

1. Kafedra psikhiatrii (zav. - prof. A.S. Poznanskiy) Bashkirskogo meditsinskogo instituta i Bashkirskaya respublikanskaya psikhonevrologicheskaya bol'nitsa (glavnyy vrach P.O.Akopyan), Ufa.

KOZOCHKIHA, Yelena Dmitriyevna; SHEVTSOV. M.S., prof., red.;
KORBILENKO, V.S., red.; GEORGIYEVA, G.I., tekhn.red.

[Struggle of the Communist Party to build a second coal.
reserve in the Soviet Union] Bor'ba Kommunisticheskoi
partii sa sosdanie vtoroi ugol'noi basy Sovetskogo Soiusa.
Isd-vo Mosk.univ., 1959. 36 p.
(Kusnetsk Basin--Goal mines and mining)

KLYUYEVA, K.A.; IVANOV, K.Ye., doktor geogr.nauk, red.; KORNILENKO, V.S., red.; ZARKH, I.M., tekhn.red.

[Effect of swamps in the drainage basin on annual distribution of streamflow in rivers of the White Russian S.S.R.] Vliianie sabolochennosti vedosborov na vmntrigodovoe raspredelenie stoka rek BSSR. Pod red. K.E.Ivanova. Moskva, Gidrometeor.izd-vo, 1959.

233 p. [__ Graphs] __ Grafikt.

(White Russia-Rivers) (Swamps)

BLINOV, L.K., nauchnyy sotrudnik; TSURIKOVA, L.K., nauchnyy sotrudnik; PAKHOMOVA, A.S., nauchnyy sotrudnik; SOPACH, E.D., nauchnyy sotrudnik. Prinimali uchastiye: PONSOV, A.G.; KALASHNIKOVA, V.V.; KIRILLOVA, Ye.P.; LOS', B.M.; LEBEDEVA, G.V.: KORNILENKO, V.S., red.; ZEMTSOVA, T.Ye., tekhn.red.

[Manual of marine hydrochemical investigations for hydrometeorological observatories and marine hydrometeorological stations] Rukovodstvo po morskim gidrokhimicheskim issledovanijam; dlia gidrometeorologicheskikh observatorii i morskikh gidrometeorologicheskikh stantsii. Pod red. L.K.Blinova. Moskva, Gidrometeor.izd-vo (otd-nie), 1959. 255 p. (MIRA 14:6)

1. Moscow. Gosudarstvennyy okeanograficheskiy institut. 2. Laboratoriya khimii morya Gosudarstvennogo okeanograficheskogo instituta (for Blinov, TSurikova, Pakhomova, Sopach).

(Water-Analysis)

PAKHOMOV, Leonid Afanas'yevich; PIBUS, Neum Zinov'yevich; SHMETER,
Solomon Moiseyevich; KORNILENKO, V.S., red.; ZARKH, I.M.,
tekhn.red.

[Aeorological research on the variability of the atmospheric
refraction coefficient for ultreshort radio waves] Aerologicheskie issledovaniia ismenchivosti koeffitsiente prelominia
atmosfery dlia ul'trakorotkikh radiovoln. Moskva, Oddrometeor.
isd-vo, 1960. 101 p.
(Microwaves) (Refraction)

(MIRA 14:1)

KLYUKIN, Hikolay Konstantinovich; SOKOLOV, I.F., red.; KORNILEHKO, V.S., red.; IMENSHOVA, T.S., tekhn.red.

[Climatic survey of the northeastern part of the U.S.S.R.]

Klimaticheskii ocherk Severo-Vostoka SSSR. Pod red. I.F.Sokolova.

Moskva, Gidrometeor.ind-vo. 1960. 116 p. (MIRA 13:11)

(Yakutia--Climate) (Magadan Province--Climate)

DMITRIYEVA, Mataliya Georgiyevna; LEVIE, A.G., otv.red.; PIOTROVICH, V.V., otv.red.; KORMILENKO, V.S., red.; ZARKH, I.M., tekhn.red.

[Elements of water economy and runoff forecast in the Amur Besin]
Elementy vlagooborota i prognoz stoka v Priamur'e. Moskva, Gidrometeor.isd-vo, 1960. 210 p.

(Amur Valley-Runoff)

(Amur Valley-Runoff)

SHULYAKOVSKIY, Lev Gertsovich; SAGATOVSKIY, N.V., otv.red.; KORNILENKO.

V.S., red.; ZARKH, I.M., tekhn.red.

[Beginning of ice formation and freesing of rivers, lakes, and reservoirs; calculations for prognostic purposes] Poisvlenie l'da i nachalo ledostava na reksikh, ozerakh i vodokhranilishchakh; raschety dlia tselei prognosov. Moskva, Gidrometeor.izd-vo, 1960.

(MIRA 13:11)

(Ice on rivers, lakes, etc.)

KORNILIN, N.V. Raise street construction to a high engineering level. Zhil-kom. (MIRA 14:7) khoz. 11 no.5:10-11 My '61. 1. Glavnyy inzhener dorozhno-stroitel'nogo tresta, g. Yaroslavl'. (Yaroslavl--Noad construction)

KORNILIN, V.V., inshener; KLODIN, V.O., inshener.

Building an all-welded bridge. Avt.dor. 20 no.6:13-15 Je '57.

(MIRA 10:10)

(Kustanay Province-Bridges, Iron and steel) (Electric welding)

ROBBILIN, V.V., insh.; ELODIN, V.O., insh.

Replacing small spans without removing rails. Transp.strol.
(MIRA 12:1)
8 no.12:30 D '58.
(Railroad bridges--Maintenance and repair)

KORNIIKOV, V. N.: Master Tech Sci (diss) -- "The excavation of barriers around shafts under the conditions of the Chelyabinsk basin". Sverdlovsk, 1958. 15 pp (Min Higher Educ USSR, Sverdlovsk Mining Inst im V. V. Vakhrushev), 100 copies (KL, No 6, 1959, 153)

Mornilkov, V.M., ingh.

Determination of cost parameters for haulage and hoisting in Chelyabinsk Basin mines. Isv.vys.ucheb.zav.; gor.zhur. no.7229-33 '58.

(MIRA 12:3)

1. Sverdlovskiy gornyy institut.

(Chelyabinsk Basin-Mine haulage--Costs)

(Mine hoisting--Costs)

Machine manufacture of reinforced and mesh-reinforced concrete
products. Na stroi. Ros. no.11:28-29 N '61. (MIRA 16:7)
(Precast concrete)

ANTYKOV, A.Ya., dots.; STOMOREV, A.Ya., st. prepod.; KOENILOV, A.,
nauchn. red.; GORA, G., red.

[Soils of Stavropol Territory] Pochvy Stavropol; According Stavropol, Stavropol; Stavropol

KORNILOV, A.A.; KOSTINA, V.S.

Ontimal area of pea leaves for the achievement of large crops.

Fizial. rast. 12 no.3:551-553 My-Je '65. (MIRA 18:10)

1. Kafedra rasteniyevodstva Stavropol'skogo sel'skokhozyaystvennogo instituta.

AUTHOR: Kornilov, A.A., Mechanic

91-58-6-8/39

TITLE:

On the Defects of the "Sampo" 400 h.p. Locomobile (O de-

fektakh lokomobilya "Sampo" 400 l.s.)

PERIODICAL:

Energetik, 1958, Nr 6, pp 10 - 11 (USSR)

ABSTRACT:

The locomobile boiler was found to be incorrectly mounted on its supports, leading to vibration and the emergence of continuous cracks. The cracks were welded up and the attachment of the boiler to its supports strengthened by tightly-affixed cover plates which were then welded to the boiler. Welded connecting plates were then in turn welded to the support clamps.

There is l figure.

AVAILABLE:

Library of Congress

Card 1/1

1. Boilers-Maintenance 2. Boilers-Vibration

18(5)

SOV/128-59-5-10/35

AUTHOR:

Kornilov, A.A. Engineer and Oreshkin, V.D.,

Canditate of Technical Sciences

TITLE:

Forced Cooling of large-size Iron Castings in Indi-

vidual and Small Series Production

PERIODICAL:

Liteynoye Proizvodstvo, 1959, Nr 5, pp 19-21 (USSR)

ABSTRACT:

In the machine tool factory imenii Voroshilov at Minsk a new method for faster cooling of large size castings has been worked out. The special feature of this method is a caisson (Fig. 1) of 7200 x 300 x approx. 1000 mm, the bottom of which is made of fireproof bricks or cement. The castings which have to be cooled are put in in a checkered manner not surpassing the height of 150 mm. These pieces are covered with iron sheets of 3 mm thickness. By means of a ventilator, air is blown through in a longitudinal direction. Various examples are given, e.g. the bench of a large planing machine (24 tons) (see Fig. 2) which is put into the cooling device with a temperature of 320 - 350 C. The time

Card 1/2

SOV/128-59-5-10/35

Forced Cooling of large-size Iron Castings in Individual and Small Series.

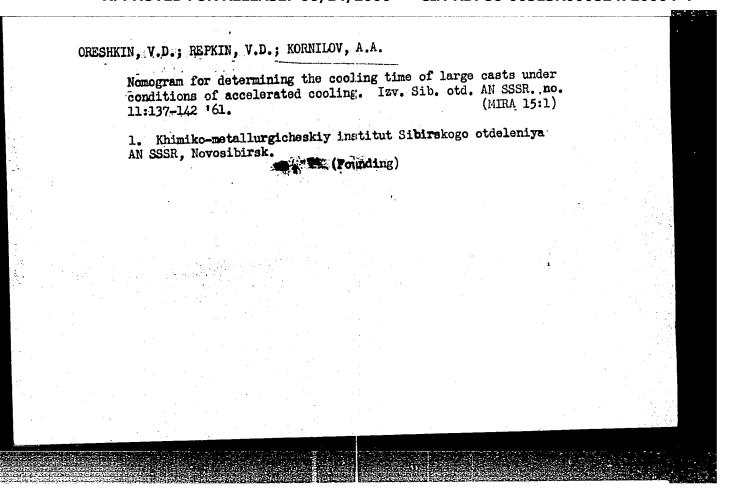
of cooling is shortened from 7 to 2 days. Fig. (3) shows the frame (9.7 tons) of the planing machine, initial temperature is 200 - 280°C., the cooling time shortened from 3 to 1,5 days. Similar examples gare shown in Fig. (4) and (5). There are 5 diagrams

Card 2/2

KORNILOV, A. A., REFKIN, V. D., VARTSUKOV, G. V. and CRESHLIN, V. D.

"Investigation of Forced Cooling of Castings in Sand Moulds"

report presented at the 7th Conference on the Interaction of the Casting Mould and the Casting, sponsored by the Inst. of Mechanical Engineering, Acad. Sci. USBR, 25-28 January 1961.



ROMANOVA, I.S., kand.med.nauk; UESOVA, L.G., kand.med.nauk; KORNILOV,
A.A., kand.med.nauk

Cases of a combination of hypertension and tumor of the brain with mental disorders. Trudy 1-go MMI 21:273-284:163.

(MIRA 16:9)

1. Kafedra psikhiatrii (zav. - prof. V.M.Banshchikow) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.

S.chenova.

(HYPERTENSION) (BHAIN.-TUMORS) (PSICHŒES)

LISTVIN, I.A.; CHACHIN, V.P., red.; KORNILOV, A.A., prof., doktor sel'khoz. nauk, red.

[Recommendations of a scientific industrial conference for erosion control in Stavropol Territory] Rekomendatsii nauchno-proizvodstvennoi konferentsii po bor'be s eroziei pochw na Stavropol'e. Stavropol'-kraevoi, 1962. 14 p. (MIRA 17:4)

1. Nauchno-tekhnicheskoye obshchestvo sel'skogo khozyaystva. Stavropol'skoye krayevoye pravleniye. Agronomicheskaya sektsiya. 2. Predsedatel' krayevogo pravleniye Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva (for Chachin).
3. Zamestitel' predsedatelya krayevogo pravleniya Nauchnotekhnicheskogo obshchestva sel'skogo khozyaystva (for
Listvin). 4. Stavropol'skiy sel'skokhozyaystvennyy institut
i predsedatel' agronomicheskoy sektsii pravleniya Nauchnotekhnicheskogo obshchestva sel'skogo khozyaystva (for
Kornilov).

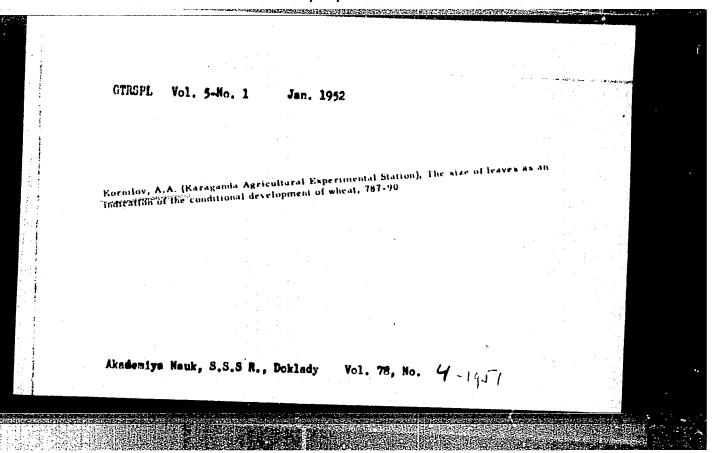
ADMRILOV, A. A.

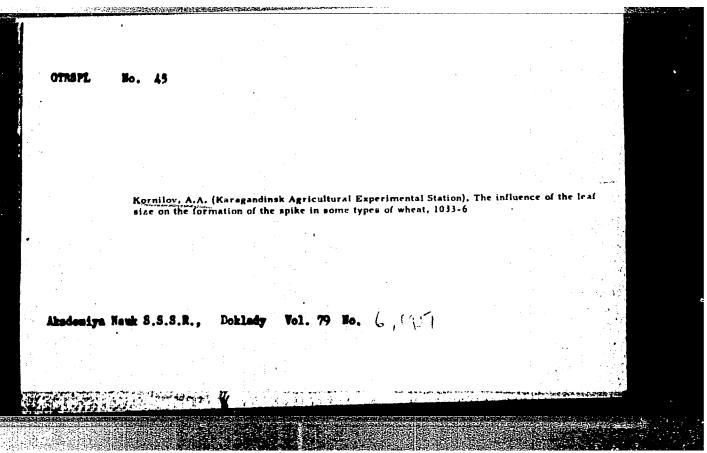
27804. KORNILOV, A. A. — Utochnit' ponyatiye "Sort". Selektsiya i semenovodstvo, 1949, No. 9 S. 26-28

S0: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

O sortovom rayonirovanii travosmesey. Sov Agronomiya, 1949, No. 11, s. 65-69

SO: Letopis' Zhurmal'mykh Statey, No. 49, 1949





KORNILOV, A. A.

Oats

Fast-ripening Doline oats GK-16 Sel. i sem., 19, No. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1952 1959. Unclassified.

KORNILOV, A. A.

Wheat

Selection of large-spiked hard wheat of high productivity. Sel. i sem. 19 no. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1952 1953! Unclassified.

- 1. KORNTLOV, A. A.
- 2. USSR (600)
- 4. Botany Physiology
- 7. Predominant task in the field of plant physiology. Sel. i sem. 19 No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

KERNYLOV, A.A. and VERTEMETSKAYA, V.V.

Propagation of "esparcete" in dry steppe regions and role of club-shaped bacteria.

Mikr biologiya. vol. 21, p.423. 1752.

KORNILOV, A. A., VERBELETSKAYA, V. N.

Sainfoin

Pene ration of sainfoin into arid steppe regions and the role of nodule bacteria.

Mikrobioligiia 21, No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 19532 Unclassified.

KORNILOV, A.A.; OPARIN, A.I., akademik,

Completion of the light developmental stage of wheat. Dokl. AN SSSR 92 no.1: 173-176 S '53. (MERA 6:8)

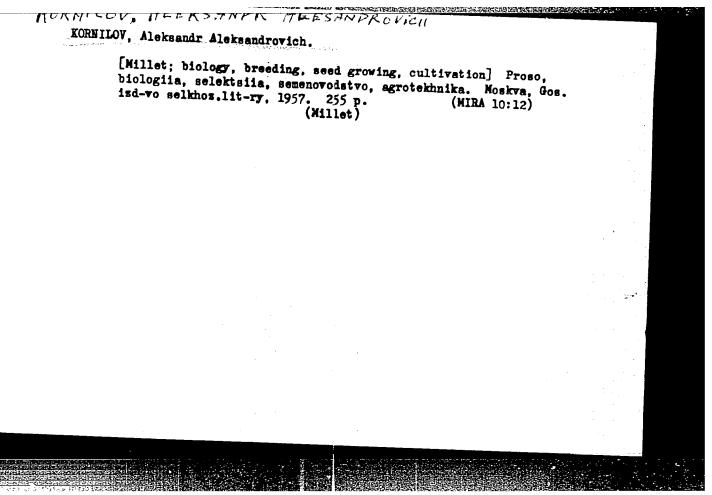
1. Akademiya nauk SSSR (for Oparin). (Wheat)

KORNILO V, Aleksandr Aleksandrovich

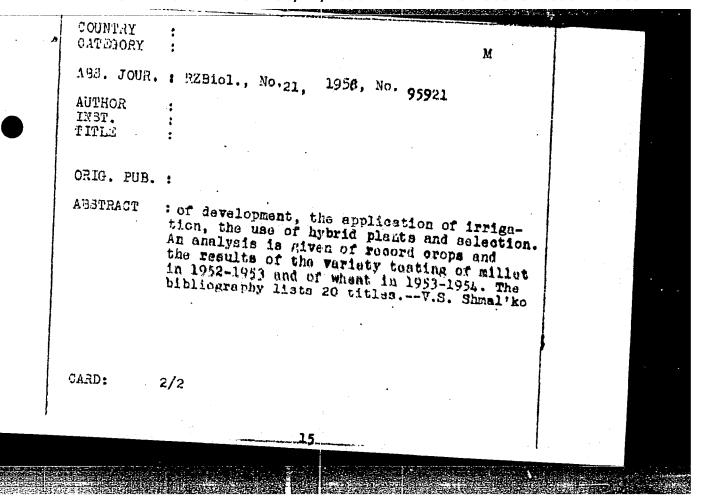
Karaganda Agricultural Experimental Station, Academic degree of Doctor of Agricultural Sciences, base on his defense, 26 March 195h, in the Council of the Omsk Agricultural Inst imeni Kirov, of his dissertation entitled: "Directed Culture of the Hybrids of spring wheat and oats in the light stage as a method of selection".

Academic degree and/or title: Doctor of Sciences

SO: Decisions of WAK, List no. 9, 16 April 55, Byulleten' MWO SSSR, No. 14, Jul 56, Moscow, pp 4-22, Uncl. JPRS/NY-429



Country CATEGOR A93. JO AUTHOR INST.	: USSR Y: Cultivated Plants. Gra UR. RZBAOL., NO. 21 1958, : Kornilov. A.A. : AS USSR : Control of Growth and I a Means of Boosting the Crops IB. : V ab.: Biol. canory orco AN SSSR, 1957, 449-463 : Karaganda Agricultural i conducted in 1946-1954 i tests with wheat and mill affect of a prolonged pheroductivity of the plant methods of controlling grant rates in the plants one used shade and addit (in bothouses), side-dreidifferent fertilizers dur	No. 95921 Development Tempos as Productivity of Grain shayem. Zemled. M., Experimental Station field and vegetation let to study the actoperiod on the attained to find out rowth and develop. As control means.	
CARD:	1/2		



7 WELL, 11-17

AUTHOR TITLE

KORNILOV, A.A., Resistance to Cold and Hardening of Zea Maize Plants. 20-5-56/60

PERIODICAL

(Morozostoykost: i zakalka rasteniy kukuruzy -Russian)

ABSTRACT

Doklady Akadem. Nauk SSSR, 1957, Vol 114, Nr 5, pp 1116-1119(U.S.S.R.) In publications on plant cultivation it is usually pointed out that maize, as a warmth-loving plant, is injured by frost of -2 and -3°C, and withers. In this connection cases were observed in which some types of maize could stand late frost of 4,400 in the leaf-phase 3-5. In Sibiria maize in field culture allegedly stood frost of -7°C. In the laboratory of the station mentioned below ("A:") the author performed numerous tests with different types of maize and the results make it possible to make proposals for a selection of maize with regard to resistance to cold. The boxes with plants in the leaf -phase 3-6 were frozen through one or more times for 3-4 hours in a special closed room or in an open place accessible to north and east winds. The test results were examined after a 2-3 days! stay of the plants in a warm room. The completely uninjured plants and those with one frozen leaf constituted the group of un-injured plants; those with 2-3 frozen leaves were considered injured; among the withered plants the author counted those who had lost their turgor after thawing or whose parts above the earth withered, independent of the fact whether they later on sprouted or not. At -4° and -5°C there existed two sharply separated groups: those withered and those almost completely intact. Border cases rarely occurred. 10 ty-

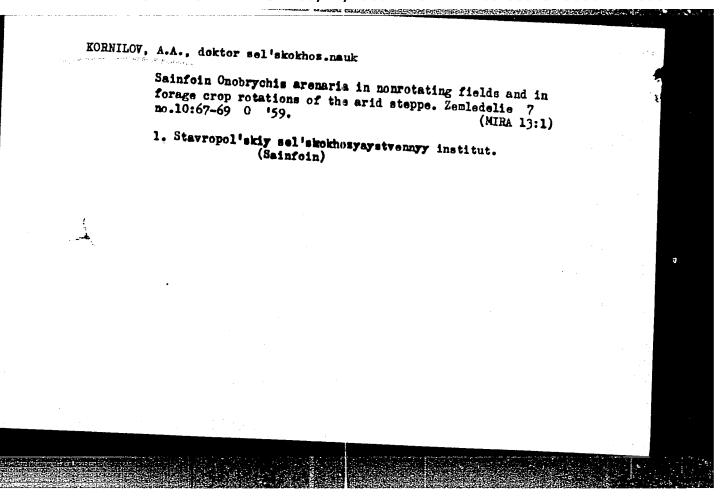
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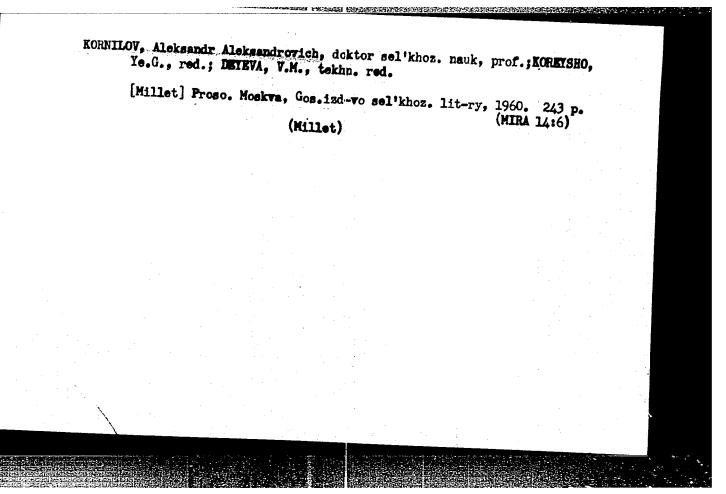
Resistance to Cold and Hardening of Zea Maize Plants.

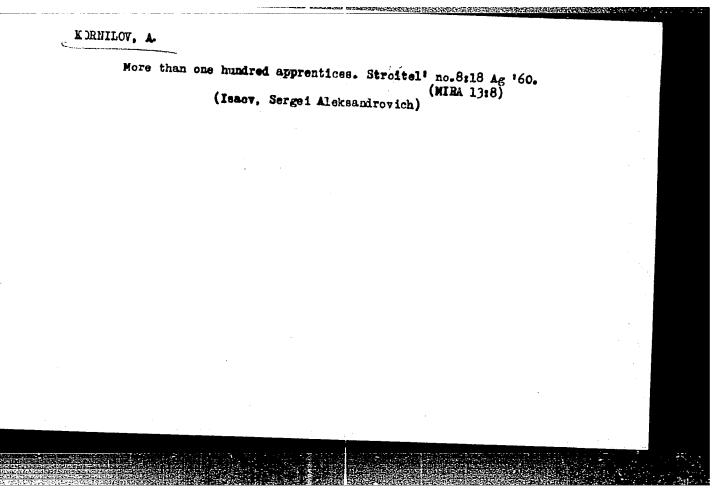
20-5-56/60

pes of various selection stations were tested. Tab. 1 shows that maize plants in the leaf-phase 4 are less resistant than in leaf-phase 2-3. Further tests were made with hardened plants. Great difference among the types were observed with regard to cold tolerance. But the differences within one individual type between the hardened plants and those exposed to frost immediately from the greenhouse were much greater. Among the latter hardly any were able to stand frost of -4°C, namely from 8 to 34%. These results agree with the wide-spread opinion that maize freezes up at temperatures below -3°C. In a closed room they stood up to the same cold of -400 much better than in the open and in wind. Analyses of hardened plants confirmed the opinion that the hardening of winter crop is connected.with a raised sugar content. The author then tested the plants, which had been hardened at -4°C, at -5°C. Paft of them stood this temperature fairly long, especially in calm without a north or northeast wind. This resistance must be distinguished clearly from the cases which occurred in Siritia: at late frost of -50 and -60C all maize plants withered, the leaflets became black and lay on the earth. Later on the plants again sprouted and normally concluded the vegetation period. If the seed stuck in the earth sufficiently deep, the plants even sprouted again after a cold of -7°C. This ability must not be mistaken for the relative resistance to cold, since it is due to a considerable store of foodstuff in the endosperm.

Card 2/3







KORNILOV, A.A.

Course of hypertonic psychoses in the light of a late catamnesis. Trudy 1-go MMI 21:184-191'63. (MIRA 16:9)

l. Kafedra psikhiatrii (zav. - prof. V.M.Banshchikov) l-go Moskovskogo ordena Lenina meditsinskogo instituta imeni

(HYPERTENSION)

Sustaining therapy for patients after recovery from hypertonic psychoses. Trudy 1-go MMI 25:249-252 *63. (MIRA 17:12) 1. Kafedra psikhiatrii 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova (mav. kafedroy prof. V.M.Banshchikov).

KCRNILOV. Asks., doktor sel'skokhoz. nauk

Ties between scientific institutions and production. Zemledelie 27
no.13:6-11 N *65.

1. Stavropol*skiy sel*skokhoz. institut.

WEDERNIKOV, V.A.; KAZANTSEV, Yu.M.; HORBITIOV, A.D.; KHILKOV, V.A.

Negative serological reaction in patients with syphilis treated with bicillin-l. Vest.derm.i ven. 34 no.6142-43 *60.

1. Iz kafedry kozhnykh i venericheskikh bolezney (mav. - prof. V.A. Vedernikov) Arkhangel'skogo meditsinskogo instituta.

(SIPHILIS)

(FENICILLIN)

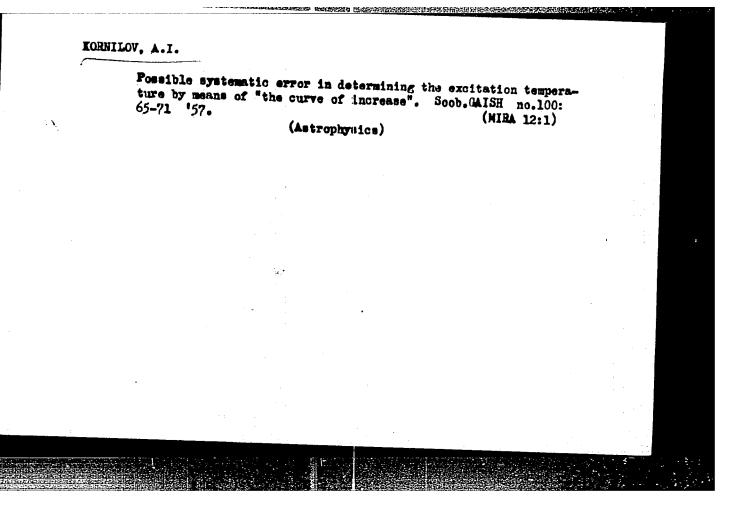
KORNILOV, Aleksandr Ivanovich; MININ, V.F. [deceased]; ZINOV'YEV, Anatoliy Yakovlevich; ZACRYADSKIY, Vasiliy Ivanovich; KALININ, O.V., red.; FREGER, D.F., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Mesh-reinforced concrete roofs for industrial buildings; experience of the "Orgtekhstroi" Trust and Trust No.44 of the Administration of Construction of the Leningrad National Economic Council]Armotsementnye pokrytiia dlia promyshlennykh zdanii; iz opyta raboty tresta "Orgtekhstroi" i tresta No.44 Upravleniia stroitel'stva Lensovnarkhoza. Leningrad, 1962.

16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: "Stroitel'naia promyshlennost'," no.5)

(Roofing, Concrete) (Industrial buildings)

"Spectrophotometric Study of Solar Spots." Gand Phys-Math Sci, State Astronomical Inst imeni Shternberg, Moscow, 195h. (RZhAstr, Mar 55) So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)



Remarks on the energy of oscillators for Fe I spectrum lines measured with an a.c. arc. Soob.GAISH no.107:3-15 '60. (Spectrum, Solar) (Oscillators, Electric) (MIRA 14:3)

3.1540

78027 SOV/33-37-1-27/31

AUTHOR:

Kornilov, A. I.

TITLE:

Concerning the Influence of Sunspot Magnetic Fields

on the Curve of Growth

PERIODICAL:

Astronomicheskiy zhurnal, 1960, Vol 37, Nr 1,

pp. 182-184 (USSR)

ABSTRACT:

Several authors have investigated this problem: Bruggencate and Klüber (1939), J. Warwick (1953 and 1955), Hubenet (1954). The present author obtained his observational material in 1953 at the Kuchino Astrophysical Observatory near Moscow, when a large sunspot was present. He constructs his curves of growth with the lines of VI and FeI, and follows the method of Warwick. For the parameter of magnetic splitting the author chooses the quantity:

1/2 \[\(\overline{Mg} \) |

Card 1/2

which can be expressed as a function of Lande's factors

Concerning the Influence of Sunspot Magnetic Fields on the Curve of Growth

78027 SOV/33-37-1-27/31

and of the quantum numbers of the upper and lower levels. Two graphs show that there is no iependence of the equivalent width on the parameter of magnetic splitting. The scattering of the points is ascribed to errors of the oscillator strengths, and the rise of the curve of growth is attributed to microturbulence. There are 2 figures; and 12 references, 3 Soviet, 4 German, 2 French, 1 Japanese, 2 U.S. The U.S. references are: J. Warwick, J. Astron., 58, Nr 1216, 48, 1953; Ch. Mocre, Atomic Energy States, Circ. Nat. Bur. St., 467, 1949, 1952.

ASSOCIATION:

Sternberg State Astronomical Institute (Gos. astronomicheskiy in-t imeni P. K. Shternberga)

SUBMITTED:

January 27, 1959

Card 2/2

3.1520

8/035/62/000/010/025/128 A001/A101

AUTHORS:

Kornilov, A. I., Kozhevnikov, N. I.

TITLE:

Polarization of radiation and instrumental contour of a spec-

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 46, abstract 10A335 ("Soobshch. Gos. astron. in-ta imeni P. K. Shternberga", 1961, no. 117, 15 - 20)

TEXT: The authors consider theoretically the profile of a diffraction image of the spectral line; in summation of oscillations in the focal plane of the spectrograph, not only phases but also polarization of oscillations of light are taken into account. Incident light is assumed to be plane-polarized, parallel and perpendicular to the spectrograph slit. Diffraction is considered only on the diaphragm of the prism or the grating. The calculation results are presented in graphs showing distribution of amplitude and intensity as a function of diffraction angle for aperture ratios of the spectrograph 0.75 - 0;0; this dependence proves to be insignificant. Since the amplitudes

Polarization of radiation and...

S/035/62/000/010/025/128 A001/A101

of polarized components coincide for small aperture ratios, the authors conclude that, in experimental determination of a diffraction profile of the slit image, differentiating of light bundles with different polarization is not necessary. A necessity in separation may arise only in cases of spectrograph cameras with aperture ratio >1. There are 5 references.

Ye. Makarova

[Abstracter's note: Complete translation]

Card 2/2

\$/623/61/000/117/002/002 E032/E414

AUTHOR:

Kornilov, A.I.

TITLE:

A spectrophotometric study of sunspots

SOURCE:

Moscow. Universitet. Gosudarstvennyy astronomicheskiy institut. Soobshcheniya. no.117, 1961, 27-56

The sunspot spectra used in this study were obtained with the solar spectrograph of the Kuchinskaya astrofizicheskaya observatoriya (Kuchino Astrophysical Observatory) GAISh, which has a dispersion of 1.66 Å/mm in the second order. Altogether 187 photographs of the spectra were obtained, out of which 2 plates with 5 spectra of a sunspot observed on July 14, 1953 were selected for analysis (4230 to 4580 Å). The sunspot was located at a distance of 0.36 R from the centre of the disc and its size was 40". Growth curves were plotted for the lines VI. Ti I, Ti II, Fe I and Fe II. Analysis of the growth curves was based on the assumption that the distribution of atoms over the energy states is of the Boltzmann type. It was found that the average excitation temperature for the above sunspot was 3850°K and that the number of Fe I and V I atoms in the layer in which

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SATALIIN, A.V., doktor tekhn.nauk; SENCHENKO, B.A., kand.tekhn.nauk; KOMOKHOV, P.G.; KORNILOV, A.I., inzh.; PAVLOV, V.N., inzh.

Concrete mixes for mold rolling and vibration mold rolling.

Trudy NIIZHB no.33:271-291 64. (MIRA 18:2)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo transporta (for Satalkin, Senchenko, Komokhov). 2. Orgtekhstroy Leningradskogo soveta narodnogo khozyaystva (for Kornilov, Pavlov).

ECHNILOV, A.I., ingh.; PAVLOV, V.N., inzh.

Multiple-un't procedure in preparing thin-walled reinforced concrete and mesh-reinforced concrete elements for industrial buildings. Trudy NIIZHB no.33:259-270 *64.

1. Trest "Cr; teknstroy", Loningradskiy sovet narodnogo khozyaystva.

BOGATTREV, Viktor Vladimirovich; KORNILOV, A.M., red.; MATVEYEV, G.I., tekhn.red. AND THE PARTY OF T

> [Flood control for reservoir areas of large hydroelectric power stations] Inshenernaia zashchita v zonakh vodokhranilishch krupnykh gidroelektrostantsii. Hoskva, Gos. energ. isd-vo, 1958. (MIRA 12:1)

(Hydraulic engineering) (Reservoirs)

DANCHEV, V.I.; KORNIJOV. A.M.; MEYMYSHEV, M.V.; OL'KHA, V.V.;
PROSHEMAKOV, B.K.; STRELIANOV, M.P.; SYTHIKOV, M.P.

Uranium mineralization in carbonate sedimentary rocks.

Geol.rud.mestoromh. no.6:27-38 M-D '59. (MIRA 13:7)

(Uranium ores)

ERISTOV, V.S., red.; KORBILOV. A.M., red.; VORONIN, K.P., tekhn, red.

[Design and construction of high dams; materials of the conference on high dams] Proektirovanie i stroitel stvo vysokikh plotin; po materialam soveshchaniia po vysokim plotinam. Pod obshchei red. V.S.Eristova. Moskva, Gos.energ.izd-vo. 1960. 196 p.

1. Nauchno-tekhnicheskoye obshchestvo stroitel'noy industrii SSSR. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR; Tekhnicheskoye upravleniye Ministerstva stroitel'stva elektrostantsiy SSSR (for Eristov).

(Dams)

DOMANSKIT, Vitaliy Iefimovich, prof.; KORNILOV, A.M., red.; BORUNOV,
N.I., tekhn.red.

[Construction of the Mingechaur complex of hydroelectric structures; Mingechaurs and Varvarovka Hydroelectric Centors]
Stroitel'stvo Mingechaurskogo kompleksa gidrotekhnicheskikh soorushenii; Mingechaurskii i Vervarinskii gidrously. Moskva,
Gos.energ.isd-vo, 1960. 207 p.

(Mingechaur Hydroelectric Power Station)

(Varvarovka Hydroelectric Power Station)

KUPERMAN, V.L., inzh.; OBREZKOV, S.S., inzh.; ERISTOV, V.S., red.;

BOBRITSKIY, M.M., inzh., red.; MOSTKOV, V.M., inzh.,

red.; ROZAMOV, K.A., inzh., red.; TAYGHER, S.I., inzh.,

red.; KORNILOV, A.M., red.; LARIONOV, G.Ye., tekhn.red.

[Design and construction of hydraulic tunnels and under
ground hydroelectric power stations] Proektirovanic i so
oruzhenic gidrotekhnicheskikh tunnelei i podzamnykh GES;

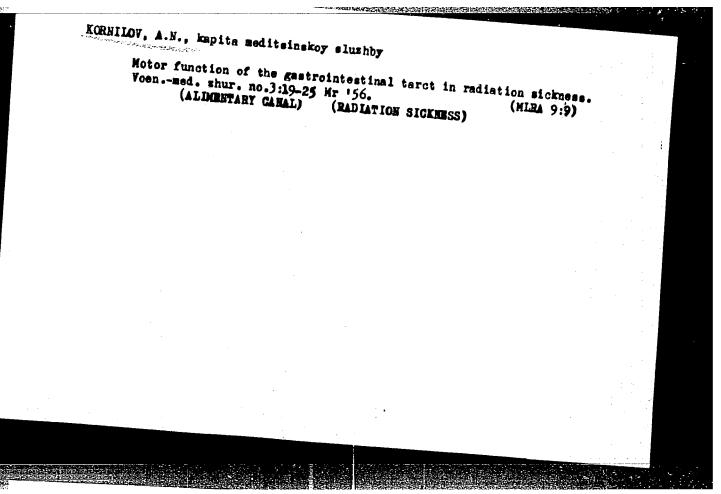
oruzhenic gidrotekhnicheskikh tunnelei 1 podzamnykh GES;

oruzhenic g

RABOTNOV, B.A., inzh.; KORNILOV, A.M., inzh.

Efficient use of welding equipment. [Trudy]LMZ no.11:114-118 '64.

(MIRA 17:12)



Use of some simple physiological tests for the hygenic evaluation of air pollution by industrial wastes. Gig. 1 san. 25 no.4107-108 (MIRA 13:8)

1. Iz Instituta radiatsionnoy gigiyeny Ministerstva zdravookhraneniya (ORSK—AIR—POLLUTION)

KORNILOV, A.N., Cand them Soi — (diss)"Determination of the temperature of boron oxide formation." Mos, 1959. 11 pp (Mos State U im M.V. Lomonosov. Chemical Faculty. Thermal Laboratory im V.F.Luginin). 150 copies Bibliography at end of text (KL, 40-59, 102)

28(5) AUTHORS:

807/76-33-8-35/39

Vostroknutov, N. G., Kernilov, A. N., Gal'chenko, G. L.,

Skuratov, S. M. and Timefeyev, B. I.

TITLE:

Arrangement for Measuring the Work of Alternating Current in

Calorimetry

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 8, pp 1883-1886

(USSR)

ABSTRACT:

For determining the heats of reaction taking place at higher rates with high temperatures, a calorimeter bomb with an

electric furnace is usually used. Since, however, the resistance

of the furnace greatly increases within a short time, the determination of the work of the current becomes very difficult if the amperage and voltage change in wide ranges. Reference 1 recommends in such cases to use a precision watt~ meter, but fails to give any data regarding the pattern or the method of measurement to be used. Now an arrangement for measuring the work of the electric current in the furnace of a calorimeter bomb under the above circumstances is described. The wiring diagram (Fig 1) consists, in the main, of an active-current meter (I) and a reactance-current meter

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(II). For (I), a single-phase alternating current meter of the W Ei 55 (Siemens) type for 5 a and 120 v is used. In recent

Arrangement for Measuring the Work of Alternating Current in Calorimetry SOV/76-33-8-35/39

times, however, this instrument was replaced by a current meter of the V-3 type designed by N. G. Vostroknutov, VNIK (Moscow) in order to raise the measurement accuracy. A current meter specially made for the requirements of (II) (Ref 2) was built at the otdeleniye elektricheskikh izmereniy VNIIK (Moskva) (Department of Electrical Measurements of the VNIIK (Moscow)). The measurement principle, the current meter calibration (Table), and the use of the arrangement in calorimetry are described, and the corresponding calculation equations are given. There are 1 figure, 1 table, and 3 references, 2 of

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED:

January 27, 1959

Card 2/2

5(2,4)

AUTHORS:

SOV/20-127-5-23/58

Gal'chenko, G. L., Kornilov, A. N., Timofeyev, B. I.,

Skuratov, S. M.

TITLE:

The Standard Enthalpy of Boron Oxide Formation

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 5,

pp 1016 - 1018 (USSR)

ABSTRACT:

The enthalpy of B₂O₂ mentioned in the title is a fundamental quantity in the thermochemistry of the boron compounds. Its determination is connected with considerable experimental difficulties. Due to this fact the values mentioned in publications (Refs 1-13) do not agree (-270-368 koal/mol). No reliable value may be chosen from it since in part of the papers (Refs 1-9) the errors caused by the side processes cannot be detected whereas in the other part of these papers data lack permitting the utilization of the obtained results. In the present paper a report is made on an experimental determination of the mentioned quantity by 3 independent methods which (within the limit of measuring errors) led to one and the same result. 1) C o m b u s t i o n o f b o r o n in o x y g e n, 2) D i r e c t de t e r m i n a -

Card 1/2

The Standard Enthalpy of Boron Oxide Formation SOV/20-127-5-23/58 tion of the heat of formation of boron nitride and the computation of the AHO form of B₂0₃ by using a reliably determined value of the combustion heat of boron nitride (Ref 18). 3) Direct determination of the heat of formation of BCl₃ and the computation of B₂0₃ by using reliably deter mined heat values for the BCl hydroly-sis (Ref 19), and the B₂O₂ dissolution (Ref 20) as well as the H₂Of ormation and of the HCl solution corresponding to the concendetert r a t i o n (Ref 14). The above mentioned agreement of the results obtained according to the methods 1-3 proves that considerable systematical errors have been avoided in each of the determinations. There are 22 references. ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov) PRESENTED: April 7, 1959, by V. N. Kondrat'yev, Academician SUBMITTED: April 4, 1959 Card 2/2

5.24004 2308

81277 S/078/60/005/010/001/021 B004/B067

AUTHORS:

Gal'chenko, G. L., Kornilov, A. N., Skuratov, S. M.

TITLE:

Combustion Heat of Boron

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 10, pp. 2141-2147

TEXT: The authors discuss the strong spread of the values of the standard formation enthalpy of B2O3 hitherto published (Refs. 1-9). The combustion of boron in the presence of organic substances leads to uncontrollable side reactions and, hence, to unreliable values. Therefore, the authors determined the formation enthalpy of B2O3 by three methods. In this paper, they describe the combustion of boron in oxygen. Boron contained in a quartz bowl was heated to 1000°C in a bomb calorimeter (Fig.) at 7 atm oxygen pressure by means of a small electric furnace. The authors explain the calculation of the heat generated by the electric furnace by means of the empirical equation

 $Q_{el} = (a/r) \int_{t}^{t} v^{2} dt + b$ (1).

Card 1/3

Combustion Heat of Boron

81211 \$/07**8**/60/005/010/001/021 B004/B067

The constants a and b were determined; r denotes the resistance of the heating element, Tits voltage. The integral \v2dt was calculated for the time intervals t = 10 sec and t = 180 ± 0.2 sec (time of switching off) by means of the trapeze method. V was measured every 10 - 15 sec by means of a Disselhorst potentiometer and M-21 (M-21) mirror galvanometer. As is shown in Table 1, the values obtained for $Q_{\mathbf{e}}$ from equation (1) are in good agreement with the experimental data. For determining the enthalpy 0.17 - 0.25 boron were weighed into the bomb. After its combustion, the increase in weight of the weighed-in portion was determined in dry air, and the small portion of evaporated boron oxide was dissolved and titrated by washing the bomb (Table 2). Attempts of extracting B203 from the reaction mass by means of water and of determining it titrimetrically led to low values (Table 3). Extraction remains incomplete. Due to the short duration of action of the high temperature, amorphous boron and vitreous boron oxide are assumed as final products and calculated under these conditions: $\Delta H_{\text{form}}^{\text{B}} = -298.7\pm1.8 \text{ kcal/mole}$. There are 1 figure, 3 tables, and 16 references: 3 Soviet, 8 US, 1 British, 1 French, and 3 German.

Card 2/3

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824720004-4

Combustion Heat of Boron

S/078/60/005/010/001/021 B004/B067

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V.
Lomonosova (Moscow State University imeni M. V. Lomonosov).
Termokhimicheskaya laboratoriya im. V. F. Luginina
(Laboratory of Thermochemistry imeni V. F. Luginin)

SUBMITTED:

August 21, 1959

Card 3/3

85621

\$/078/60/005/012/002/016 B017/B064

11.1300 AUTHORS:

Gal'chenko, G. L., Kornilov, A. N., Skuratov, S. M.

TITLE:

Determination of the Formation Enthalpy of Boron Nitride

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 12,

pp. 2651-2654

TEXT: The formation heat of boron nitride was determined in a calorimetric bomb heated by a small electric furnace. Amorphous high-purity boron (0: 0.23%, H: 0.12%, N: 0.005%, and Ca, Mg, and Cu totaling ~ 0.01%) was used as initial material. For the experiments, nitrogen was freed from oxygen, and dried. A table lists the results of determining the reaction heat between boron and nitrogen. The formation enthalpy of hexagonal boron nitride from crystalline boron and gaseous nitrogen was calculated, and the following values were determined:

 $\Delta H_{\text{formation}}^{0} = ..60.7 \pm 0.3_{4} \text{ kcal/mole.}$

The formation enthalpy of boron oxide was determined by the following thermochemical equations:

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85621 Determination of the Formation Enthalpy of Boron Nitride \$/078/60/005/012/002/016 B017/B064 2 B crystalline + M 2 gas = 2 BN crystalline ΔH = -121.4 ± 0.7 kcal

2 BN crystalline + 3/2 0_{2 gas} = B₂0_{3 glass} + N_{2 gas}
ΔH = -180.4 ± 1.2 kcal (according to Ref. 5) ² B_{crystalline} + 3/2 0_{2 gas} = B₂0_{3 glass} ΔHO formation 203 glass -301.8 ± 1.4 kcal/mole. This value is in agreement with published values (Refs. 6,12, and 13). There are 1 figure, 1 table, and 13 references: 4 Soviet. ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov). Termokhimicheskaya laboratoriya im. V. F. Luginina (Thermochemical Labora y imeni V. F. Luginin) SUBMITTED: August 21, 1959 Card 2/2

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824720004-4

\$/193/60/000/008/010/018 A004/A001

AUTHORS:

Kornilov, A. N., Mikhaylov, A. X.

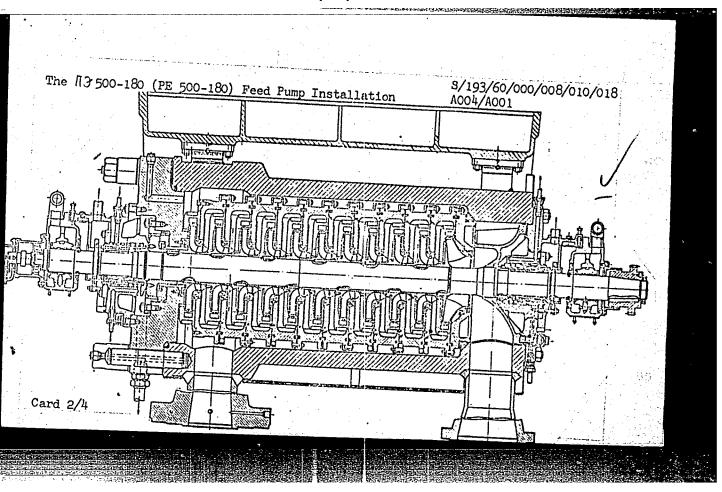
TITLE:

The $\Pi \mathcal{F}$ 500-180 (PE 500-180) Feed Pump Installation

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No.8, pp. 37-40

The Vsesoyuznyy nauchno-issledovatel'skiy institut gidromachinostroyeniya (All-Union Scientific Research Institute of Hydraulic Machinery), VIGM, together with the spetsial noye konstruktorskoye byuro pitatel nykh nasosov (Special Design Office of Feed Pumps), SKB PN, and the Sumskiy nasosnyy zavod (Sumy Pump Plant) have developed in 1959 the PE 500-180 feed pump installation intended for the feed of boilers with a pressure of 140 atm, the boilers being installed in high-power thermal power stations. The installation is composed of the pump, the ATM-3500-2 electromotor, the MI-65X2 (MG-65 X:2) hydraulic coupling, a check valve with automatic by-pass, lubrication installation and instrumentation system (KIP). The illustration shows a longitudinal section of the feed pump which is a double-housing structure of the section type. The outer housing is a forged steel cylinder, while the inner housing is an assembled structure with vertical joints, composed of 11 stages and guiding devices of the blade type.

Card 1/4



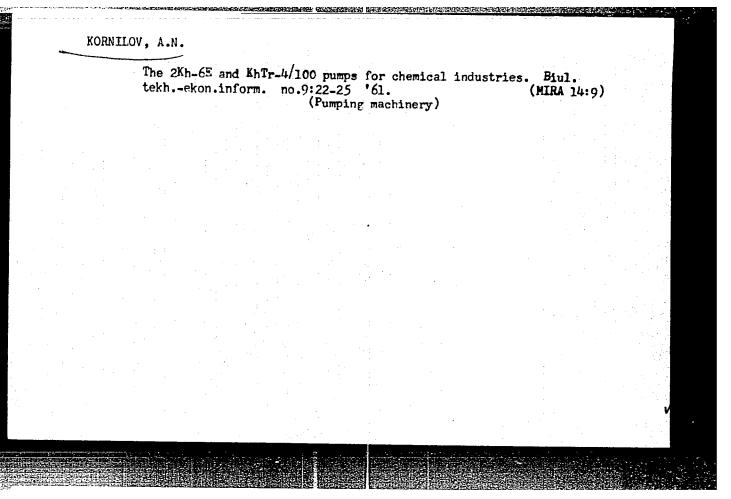
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The \$\infty 500-180 (PE 500-180) Feed Pump Installation

5/193/60/000/008/010/018 A004/A001

The section seams are built up with austenite steel, the guiding devices and impellers are made of 2X13 (2Kh13) grade steel, while the delivery parts are made of heat-treated stainless steel. The pump ends are sealed with soft packings. The stuffing-box sockets and the internal hollow of the stuffing-box jacket of the end seals are cooled by a cold condensate of less than 40°C. The individual lubrication system of the pump installation consists of the following units: screw-type BHJ-25 (VNL-25) oil pump mounted on the electromotor of the installation: start-reserve screw-type 38H-25 (EVN-25 oil pump driven by an a-c electromotor; gear-type P3-3 (RZ-3) oil feed pump with a-c electromotor; two MO-25X4 (MO-25 X 4) oil coolers, oil filter with a filtering area of 1.5 m² and 2.8 m³ capacity oil tank. The pump installation is equipped with automatic control devices, protection, checking and signalling devices. The protection device prevents damage to the installation in the case of an oil-pressure drop, or if the critical magnitude of axial shift of the pump rotor is reached, or in case of a pressure increase in the delivery chamber of the hydraulic base, superheating of the bearings or increased vibration of the pump bearings. The installation is controlled from the main thermal panel of the boiler-turbine block. The following technical specifications of the PE 500-180 feed pump installation are given: feed pump: output - 500 m³/hour; pressure in the suction pipe - 6.7 kg/cm²;

Card 3/4



38108

18.1152

S/020/62/144/002/020/028 B101/B144

AUTHORS:

Kornilov, A. N., Leonidov, V. Ya., and Skuratov, S. M.

TITLE:

Standard heats of formation of niobium pentoxide and tantalum pentoxide

PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 144, no. 2, 1962, 355-358

TEXT: As the data hitherto published for the heats of formation of Nb₂O₅ and Ta₂O₅ diverge greatly, the heat of combustion, -\Du_B (24.3°C), of high-purity Nb and Ta in O₂ was determined calorimetrically after the content of impurities in the metal samples had been determined at two laboratories, and their effect was taken into account in calculating -\Du_B. (I) The content of impurities (% by weight) in niobium preparation 1 was 0.03 0; 0.03 N; 0.004 H; 0.02 C; 0.30 Ta; 0.09 Fe; 0.12 Ti; and 0.06 Si. In niobium preparation 2, it was 0.01₅ 0; 0.01 N; 0.005 C; 1.27 Ta; 0.07 Fe; 0.12 Ti; and 0.04 Si. The maximum contents of Al, Mg, Mo, Mn, Ni, P, Pb, and Sn did not exceed 0.01% of each. Combustion took place in high-purity O₂ at 30 atm. The effect of moisture was ignored

8/020/62/144/002/020/028 Standard heats of formation of ... B101/B144 when determining the resulting β -Nb₂0₅. In calculating - ΔU_B (24.3°C), the effect of impurities was considered on the assumption that: (1) 0, N, H, and C react with Nb to form Nb205, NbN, NbH, and NbC, respectively, while the remaining impurities do not react with Nb; (2) none of the impurities reacts with Nb. The relevant corrections were within the experimental errors. It was found that $-\Delta U_B$ (24.3°C) = 2432.0 ± 2.0 cal/g of Nb. Hence, ΔH_{298}° β -Nb₂0₅ = -453.5 \pm 0.4 kcal/mole. (II) Tantalum preparation 1 contained the following impurities (% by weight): 6.10-3 0; 1.10^{-2} N; 3.10^{-4} H; 2.10^{-2} C; 0.12 Nb; 0.11 Ti; 3.10^{-2} Fe; 4.10^{-3} Si; $4\cdot10^{-2}$ W; and $1\cdot10^{-2}$ Mo. Tantalum preparation 2 contained $4\cdot10^{-3}$ O; $2 \cdot 10^{-3}$ N; $1 \cdot 10^{-3}$ H; $5 \cdot 10^{-3}$ C; 0.80 Nb; $< 5 \cdot 10^{-3}$ Ti; $< 2 \cdot 10^{-3}$ Fe; ∠ 3°10⁻³ Si; < 1°10⁻² W; and < 1°10⁻² Mo. In each sample, the content of Al, Ni, and Mg was <1°10⁻³. In sample 1, the content of Pb, Bi, Sn, Sb, and Cd was <1°10⁻³, and in sample 2, it was <1°10⁻⁴. In sample 2, the content of S and P was < 2.10-3. Combustion took place in 0, at 10 atm. Card 2/3

Standard heats of formation of ...

S/020/62/144/002/020/028 B101/B144

The resulting α -Ta₂O₅ and the - Δ U_B (24.3°C) were determined in the same way as for Nb₂O₅. The following values were found: - Δ U_B (24.3°C) = 1347.8 \pm 1.0 cal/g Ta; Δ H^O₂₉₈ α -Ta₂O₅ = -489.3 \pm 0.4 kcal/mole. There are 2 tables. The most important English-language reference is: G. L. Humphrey, J. Am. Chem. Soc., 76, 978 (1954).

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

PRESENTED:

January 13, 1962, by V. I. Spitsyn, Academician

SUBMITTED:

January 6, 1962

Card 3/3

KORNILOV, A.N.; LEONIDOV, V.Ya.; SKURATOV, S.M.

Standard heats of formation of niobium and tantalum pentoxides.
Dokl.AN SSSR 144 no.2:355-258 My *62. (MIRA 15:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom V.I.Spitsynym.
(Miobium oxides) (Tantalum oxides) (Heat of formation)

EERNATOVICH, K.S., inzh.; ZAYTSEV, Ye.A., inzh.; KORNILOV, A.N.;
MEYERZON, I.M.

The SM-897 unit for making soil-cement blocks. Stroi.i dor.
mash. 7 no.10:28-30 0 '62. (MIRA 15:11)

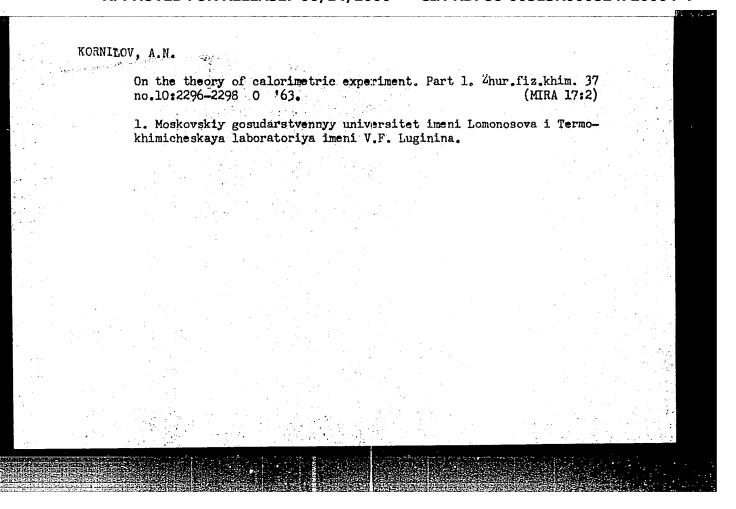
(Soil cement)

KORNILOV, A. N.; LEONIDOV, V. Ya.; SKURAMOV, S. M.

Standard heats of formation of the higher carbides of niobium and tantalum. Vest. Mosk, un. Ser. 2: Khim. 16 [i.e.17], no.6: 48-50 N-D '62. (MIRA 16:1)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.

(Niobium carbide) (Tantalum carbide)
(Heat of formation)



KORNILOV, A.N. Contribution to the theory of the calorimetric experiment. Part 2. Zhur. fiz. khim. 37 no.11:2542-2545 N'63. (MIRA 17:2) 1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

KORNILOV, A.N.; ZAYKIN, I.D.; MARTYNOV, Yu.A.; SKURATOV, S.M.

Dosage of the electrical energy supplied to the calorimeter bomb for ignition of substances. Zhur. fiz. khim. 37 no.11: 2606-2608 N'63. (MIRA 17:2)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.